

SID12166



Contract Number F33657-92-D-2055
CDRL Item A009, Data Item Mgmt-80057
Report No. SID/MR-94/0044
(Unclassified)

TASK ASSIGNMENT PLAN

for

**WSPAR, SEMR,
POM, and HQ
USAF/LGSI Logistics
Assessment Programs**

Prepared for
HQ USAF/LGSI
Pentagon
Washington, DC 20330

Prepared by
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19970128 068

1 October 1994

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DTIC QUALITY INSURED

REPORT DOCUMENTATION PAGE*Form Approved*
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1213 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)**2. REPORT DATE**
1 October 1994**3. REPORT TYPE AND DATES COVERED**
Task Assignment Plan**4. TITLE AND SUBTITLE**

Task Assignment Plan for WSPAR, SEMR, POM, and HQ USAF/LGSI Logistics Assessment Programs

5. FUNDING NUMBERSContract No.
F33657-92-D-2055

Delivery Order No. 0063

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SID12166

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)HQ USAF/LGSI
1030 Air Force Pentagon
Washington, DC 20330-1030**10. SPONSORING/MONITORING AGENCY REPORT NUMBER**

SID/MR-94/0044

11. SUPPLEMENTARY NOTES**12a. DISTRIBUTION/AVAILABILITY STATEMENT**

Approved for Public Release; Distribution is Unlimited.

12b. DISTRIBUTION CODE**13. ABSTRACT (Maximum 200 words)**

This Task Assignment Plan explains how Synergy, Inc. will assist HQ USAF and the System Program Director's (SPDs) in performing the peacetime and wartime logistics assessments using the Windows Integrated Logistics Assessment Model (WINLAM) on the weapon systems selected for participation in the WSPAR, SEMR, and POM programs as well as other logistics assessment requirements.

14. SUBJECT TERMS

Windows Integrated Logistics Assessment Model (WINLAM), Weapon System Program Assessment Review (WSPAR), System Program Director's (SPDs)

15. NUMBER OF PAGES
4**16. PRICE CODE****17. SECURITY CLASSIFICATION OF REPORT**
Unclassified**18. SECURITY CLASSIFICATION OF THIS PAGE**
Unclassified**19. SECURITY CLASSIFICATION OF ABSTRACT**
Unclassified**20. LIMITATION OF ABSTRACT**



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1 October 1994

Major Randy Moller
HQ USAF/LGSI
1030 Air Force Pentagon
Washington, DC 20330-1030

Dear Major Moller,

Contract F33657-92-D-2055
Delivery Order No. 99
CDRL A009, Data Item MGMT-80057

Enclosed is the Task Assignment Plan for *WSPAR*, *SEMR*, *POM*, and *HQ USAF/LGSI Logistics Assessment Programs* required under the above referenced contract.

If you have questions, please contact me at (202)232-6261.

Sincerely,

A handwritten signature in black ink, appearing to read "James A. Lutz", is written over a horizontal line.

James A. Lutz
Task Leader

Enclosures

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INTRODUCTION

Synergy will fulfill the requirement for logistics studies and analysis support to operate a suite of logistics capability assessment models. These models will be used to assess the peacetime readiness and wartime sustainability expected as a result of past, current, and projected investments in buy and repair of reparable and consumable spares. Synergy will perform both peacetime and wartime logistics assessments in support of the WSPAR and SEMR programs. In addition, Synergy will assist in the transfer of responsibility for the WSPAR and SEMR assessments to the System Program Directors (SPDs). This transfer of responsibility will require several WSPAR and SEMR training sessions to ensure each SPD's representatives are knowledgeable of the procedures for operating both the Integrated Logistics Assessment Model in Windows (WINLAM) and the SEMR model. These training sessions will provide over-the-shoulder assistance in developing actual WSPAR and SEMR products. This training will be provided to each of the weapon system program managers within AF/LG, AF/XO, and SAF/AQ as well as those in HQ ACC and HQ AMC.

GOALS AND OBJECTIVES

Synergy will assist HQ USAF and the SPDs in performing the peacetime and wartime logistics assessments using WINLAM on the weapon systems selected for participation in the WSPAR, SEMR, and POM programs as well as other logistics assessment requirements.

TECHNICAL APPROACH

The work breakdown structure (WBS) shown in Figure 1 defines the key assessments to be accomplished in the performance of Task 1. Weapon system assessment dates have not yet been defined beyond 1 April 1995.

Task 1: WSPAR Assessments

Synergy will perform both peacetime and wartime logistics assessments in support of the WSPAR and SEMR programs. Results will be submitted to HQ USAF/CV and the Air Force Council for review. This process encompasses multiple echelons of command, requires multiple excursions and contractor attendance at the briefings presenting the results of these assessments to AF/LG and each of the operating commands. The task will require the collection of data from HQ USAF/XO, HQ USAF/LG, MAJCOMs, and ALCs, the meeting of key personnel and coordination of all results.

Synergy will also assist in the transfer of responsibility for WSPAR and SEMR assessments to each weapon system SPD. Classified data will be gathered and sent to the designated representative prior to the scheduled WSPAR or SEMR date. Synergy will

provide support assistance to each representative to complete these assessments.

This transfer will also require several training sessions to ensure the SPD representative's are knowledgeable of the procedures for gathering data and operating both the WINLAM and SEMR model's. These sessions will be held at Synergy's home office and/or on site and an ALC. Each person will receive detailed instructions on the algorithms and methodologies used in each model as well as an overall guide to presenting the WSPAR and SEMR programs. Synergy will distribute a user guide and functional description to each attendee. Although these sessions will train each SPD representative, Synergy will also continue to provide assistance in each WSPAR preparation. These tasks include technical assistance in running each assessment, comprehensive review of methodologies, support at the MAJCOM and HQ USAF briefings and a single run for HQ USAF/LGSI prior to each WSPAR.

Synergy will also provide training to each of the weapon system program managers within AF/LG, AF/XO, and SAF/AQ as well as those in HQ ACC and HQ AMC to insure they have a thorough understanding of the assessments. Other logistics assessments as defined and required by AF USAF/LG will be performed.

PROJECT SCHEDULE AND MILESTONES

The WBS in figure 1 represents Synergy's proposed timeline for accomplishing the tasks associated with the statement of work. Synergy will apply the most experienced personnel on this project and will produce the best products possible within the time and funds allocated by the government. The Synergy program manager will prioritize the efforts for the tasks in order to make the most efficient and effective use of available resources.

DELIVERABLES

The following list of deliverables will be submitted for the efforts performed under this task:

- (1) Final technical report on the task (CDRL A001). This report will present the results of the research and analysis performed in the task.
- (2) Periodic progress and status reports submitted every thirty (30) days throughout the duration of the contract (CDRL A004). These reports will keep the SIDAC COTR informed of the progress of the task on a monthly basis.
- (3) Software User's Manual to aid in the instruction and use of the software (CDRL A006).
- (4) Functional Description (CDRL A005).
- (5) Task Assignment Plan (CDRL A009). The plan presented in this document, which covers the objectives, technical approach, and schedule for performance of the statement of work.

PROJECT STAFFING AND EXPERIENCE

This project will be staffed with extremely well qualified personnel. The education, capabilities, and experience of key personnel are summarized here.

Mr. James A. Lutz, Program Manager, Ph.D. program in Mathematics/ graduate studies in operations research and statistics. He has over 20 years experience in logistics management, capability assessment, program and budget analysis, and operations analysis. As a member of Synergy's Operations Management Committee, he directs the performance of work on all Synergy contracts. He specializes in the development and application of quantitative models for analysis of policies in logistics management, budgeting, capability assessment, and R&M.

Mr. Raymond L. Reed, Sr. Logistics Management Specialist, M.S. Organic Chemistry. Mr. Reed has over 20 years experience in Air Force logistics. His areas of expertise include logistics management, tactical systems analysis, and acquisition management. He serves as the project manager for development and implementation of new parametric/interactive models, designed to perform logistics resource assessments of the U.S. Air Force's air mobility and air combat weapon systems. He will serve as the project manager for the tasking described in this document.

Mr. William E. Faragher, Sr. Scientist, M.A. Mathematics. Mr. Faragher has over 35 years experience in operations research, and logistics analysis. He is responsible for the software development for a suite of logistics assessment models designed for estimating the impact of budget decision on aircraft readiness and sustainability. He directed the development of a data base management system that imports data from a variety of sources and generates a set of output files for use in Synergy-developed logistics assessment models. Because of his strong scientific and mathematical background, he will serve this tasking on a consultancy basis.

Mr. Glenn L. Archer, Jr. Logistics Management Specialist, B.A. Economics. Mr. Archer is the supervisor for all O&M assessments for Air Force and Army. He is responsible for completing the development of the Engine Logistics Assessment Model, which provides the Air Force with projections concerning the health of their engines inventory. He is responsible for designing, testing, and delivering this model to HQ USAF/LGSI and SA-ALC/LPF.

POINT OF CONTACT

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Figure 1 - Work Breakdown Structure

